# MANAGING NETWORK TRAFFIC FLOW INVENTOR NAME: MICHAEL XIE APPLICATION SERIAL NO. 10/624,941 PAGE 1 OF 8 REPLACEMENT SHEET

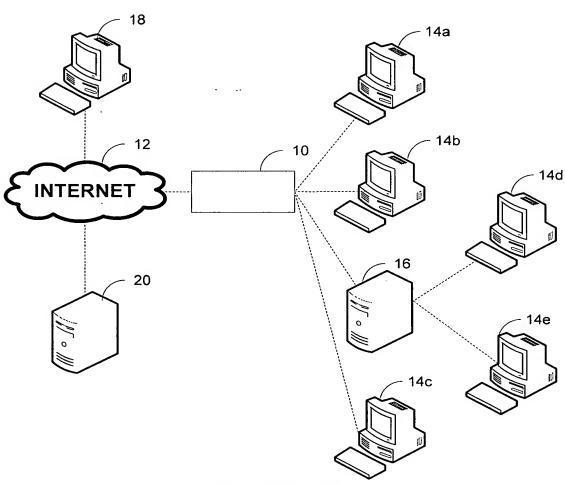


FIG. 1

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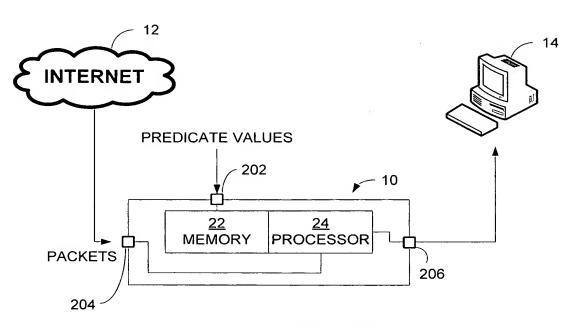


FIG. 2

MANAGING NETWORK TRAFFIC FLOW
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304
EXTERNAL STORAGE, SRAM/CAM OR OTHER MEMORY DEVICES STORES SIGNATURE AND PATTERN INFORMATION ABOUT VIRUS, ATTACKS, ETC.

306
INTERNAL STORAGE, STORES,
SIGNATURES, PATTERS THAT
ARE ACCESSED MOST
FREQUENTLY

302 I/O BUFFER AND LOGIC TO INTERACT WITH INTERNAL AND EXTERNAL STORAGE

<u>314</u>

**SCANNING LOGIC** 

<u>312</u>

**REGISTER** 

308
I/O BUFFER AND LOGIC TO
PROTOCOL STACK INCOMING
CONTENT DATA STREAM FOR
EXAMPLE, THROUGH PCI BUS

310 NETWORK TRAFFIC CONTENT IS DECRYPTED AND STORED HERE

FIG. 3

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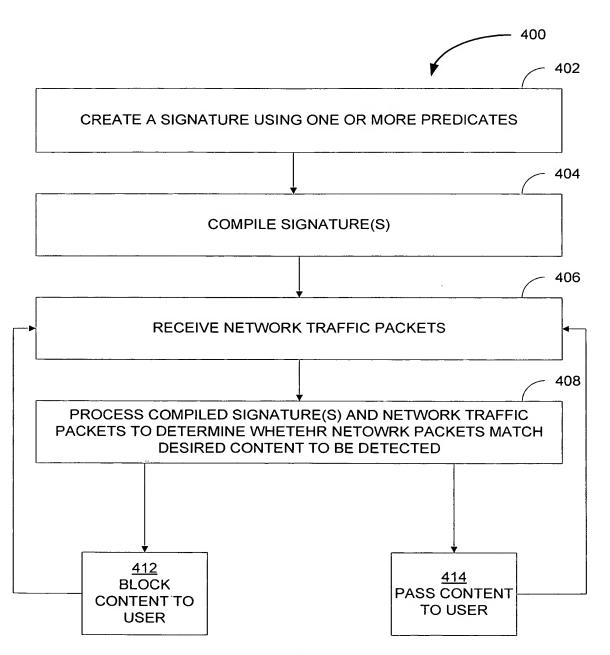


FIG. 4

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505	12 / 512	2 \ 504	206	208	510
۵	RETURN	PREDICATE	MNEMONIC	FAMILY	DESCRIPTION
Α	В	A(Z)	ASCII	TEST	TEST LITERAL STRING
В	В	B(M)	BITMASK	TEST	TEST USING BITMASK
ပ	^	c()	CASE	DECISION	BRANCH USING MULTIPLE CASES
O	^	D(LABEL)	DO	ITERATION	START LOOP (ENDS ON LABEL)
ш	^	E(F,B,B,)	ЕАСН	ITERATION	REPEAT FUNCTION WITH EACH BYTE IN LIST
щ	^	F(N, F)	FOR	ITERATION	REPEAT FUNCTION ON N BUFFER BYTES
9	^	G(LABEL)	СОТО	DECISION	GOTO LABEL IN SIG
н	В	(Д)	HEURISTIC	TEST	TEST D AGAINST HEURISTIC FLAGS
1	^	I(F, L)	F	DECISION	IF TEST F BRANCH ELSE CONTINUE
ſ	^	J(SIZE)	JUMP	POINTER	JUMP USING BUFFER VALUE OF SIZE
¥	В	K(RESERVED)	KEYWORD	FUNCTION	PROCESS KEYWORD
٦	В	L(B)	LITERAL	TEST	TEST LITERAL
Σ	>	M(NAME)	MACRO	FUNCTION	EXECUTE MACRO NAME
Z	В	N(LOGIC)	NEAR	TEST	TESTING USING RELATIVE LOGIC
0	В	O(N, METHOD)	ORDER	TEST	ORDER (SORT) N BUFFER BYTES USING METHOD
Ь	^	P(NAME)	PROCESS/PROCEDURE	FUNCTION	EXECUTE PROCESS NAME
Ø	В	Q(LOGIC)	QUERY	TEST	TEST USING RANGED LOGIC
æ	>	R(P)	REWIND	POINTER	RESET BUFFER STREAM POINTER
S	В	S(N,K)	SEEK	POINTER	REPOSITION BUFFER STREAM POINTER
⊥	В	T(LOGIC)	TEST	TEST	TEST USING POSITIONAL LOGIC
Ω	В	U(Z)	UPPERCASE	TEST	TEST AFTER UPPERCASING BUFFER STRING
>	В	V(LOGIC)	VARIABLE	TEST	TEST USING SET SUMMATION
>	В	(c)	WILDCARD	TEST	SIMPLY (ONE BYTE) WILDCARDS
×	В	X(B)	XRAY/XOR	TEST	TEST USING XOR MASK BASED ON B

# **FIG. 5**

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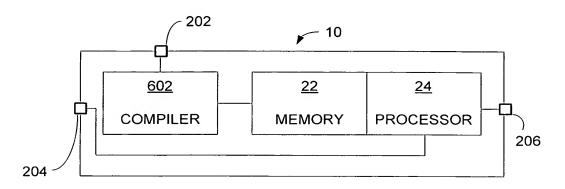


FIG. 6

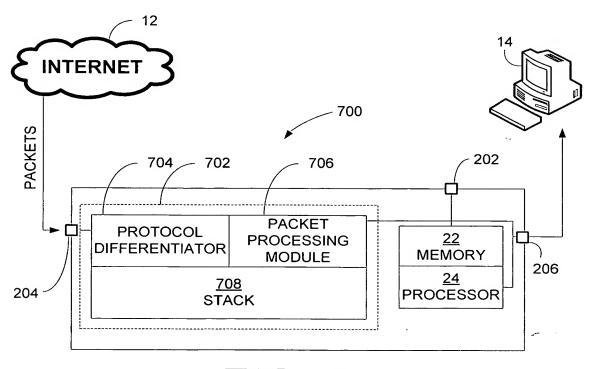


FIG. 7

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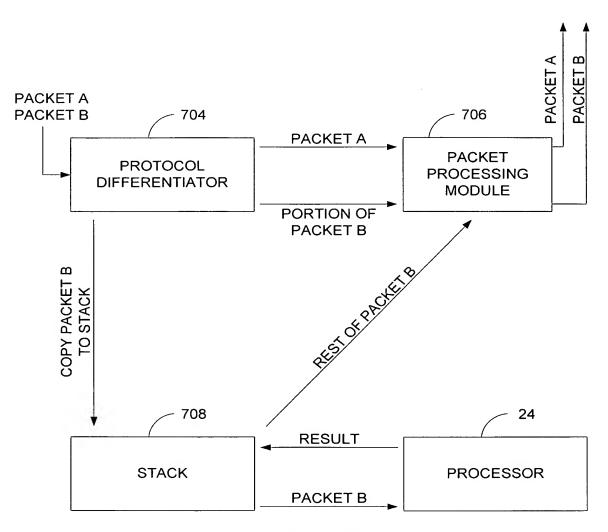


FIG. 8

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